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L12: Entry 9 of 25

File: USPT

Aug 3, 1999

US-PAT-NO: 5933599

DOCUMENT-IDENTIFIER: US 5933599 A

TITLE: Apparatus for presenting the content of an interactive on-line network

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nolan; Sean P.	Issaquah	WA	N/A	N/A

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA	N/A	N/A	02

APPL-NO: 8/ 503131

DATE FILED: July 17, 1995

INT-CL: [6] G06F 13/38, G06F 15/17

US-CL-ISSUED: 395/200.48; 395/200.33, 345/330

US-CL-CURRENT: 345/329; 345/330

FIELD-OF-SEARCH: 395/200.1, 395/200.2, 395/200.03, 395/200.04, 395/200.11, 395/200.15, 395/330, 395/762, 395/200.5, 395/200.8, 395/200.31, 395/200.34, 345/330

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4184200</u>	January 1980	Wagner	N/A
<input type="checkbox"/>	<u>4280176</u>	July 1981	Tan	N/A
<input type="checkbox"/>	<u>4432057</u>	February 1984	Daniell et al.	N/A
<input type="checkbox"/>	<u>4493024</u>	January 1985	Baxter	N/A
<input type="checkbox"/>	<u>4799153</u>	January 1989	Hann	N/A
<input type="checkbox"/>	<u>4799156</u>	January 1989	Shavit et al.	N/A
<input type="checkbox"/>	<u>4800488</u>	January 1989	Agrawal et al.	N/A
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<input type="checkbox"/>	<u>4899136</u>	February 1990	Beard et al.	N/A
<input type="checkbox"/>	<u>4914571</u>	April 1990	Baratz et al.	N/A
<input type="checkbox"/>	<u>5079765</u>	January 1992	Nakamura	N/A
<input type="checkbox"/>	<u>5113499</u>	May 1992	Ankney	N/A
<input type="checkbox"/>	<u>5140689</u>	August 1992	Kobayohi	N/A
<input type="checkbox"/>	<u>5151989</u>	September 1992	Johnson et al.	N/A
<input type="checkbox"/>	<u>5187790</u>	February 1993	Fast et al.	N/A

<input type="checkbox"/>	<u>5247676</u>	September 1993	Ozur et al.	N/A
<input type="checkbox"/>	<u>5257369</u>	October 1993	Skeen et al.	N/A
<input type="checkbox"/>	<u>5265250</u>	November 1993	Andrade et al.	N/A
<input type="checkbox"/>	<u>5291597</u>	March 1994	Shorter et al.	N/A
<input type="checkbox"/>	<u>5307490</u>	April 1994	Davidson et al.	N/A
<input type="checkbox"/>	<u>5321841</u>	June 1994	East	N/A
<input type="checkbox"/>	<u>5329619</u>	July 1994	Page et al.	N/A
<input type="checkbox"/>	<u>5341477</u>	August 1994	Pitkin et al.	N/A
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<input type="checkbox"/>	<u>5355497</u>	October 1994	Cohen-Levy	N/A
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<input type="checkbox"/>	<u>5371852</u>	December 1994	Attanasio	N/A
<input type="checkbox"/>	<u>5388255</u>	February 1995	Pytlik et al.	N/A
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<input type="checkbox"/>	<u>5423003</u>	June 1995	Berteau	N/A
<input type="checkbox"/>	<u>5434994</u>	July 1995	Shaheen et al.	N/A
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<input type="checkbox"/>	<u>5481720</u>	January 1996	Loucks et al.	N/A
<input type="checkbox"/>	<u>5483652</u>	January 1996	Sudama et al.	N/A
<input type="checkbox"/>	<u>5490270</u>	February 1996	Devarakonda et al.	N/A
<input type="checkbox"/>	<u>5491800</u>	February 1996	Goldsmith et al.	N/A
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<input type="checkbox"/>	<u>5497463</u>	March 1996	Stein et al.	N/A
<input type="checkbox"/>	<u>5500929</u>	March 1996	Dickinson	N/A
<input type="checkbox"/>	<u>5515508</u>	May 1996	Pettus et al.	N/A
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<input type="checkbox"/>	<u>5530852</u>	June 1996	Meske, Jr. et al.	395/200.48
<input type="checkbox"/>	<u>5544313</u>	August 1996	Shachanai et al.	N/A
<input type="checkbox"/>	<u>5544327</u>	August 1996	Dan et al.	N/A
<input type="checkbox"/>	<u>5548724</u>	August 1996	Akizawa et al.	N/A
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<input type="checkbox"/>	<u>5553239</u>	September 1996	Heath et al.	N/A
<input type="checkbox"/>	<u>5553242</u>	September 1996	Russell et al.	N/A
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<input type="checkbox"/>	<u>5572643</u>	November 1996	Judson	395/793
<input type="checkbox"/>	<u>5581753</u>	December 1996	Terry et al.	N/A
<input type="checkbox"/>	<u>5592611</u>	January 1997	Midgely et al.	N/A
<input type="checkbox"/>	<u>5596579</u>	January 1997	Yasrebi	N/A
<input type="checkbox"/>	<u>5596744</u>	January 1997	Dao	N/A
<input type="checkbox"/>	<u>5608865</u>	March 1997	Midgely et al.	N/A
<input type="checkbox"/>	<u>5608903</u>	March 1997	Prasad et al.	N/A
<input type="checkbox"/>	<u>5617568</u>	April 1997	Ault et al.	N/A
<input type="checkbox"/>	<u>5617570</u>	April 1997	Russell et al.	N/A
<input type="checkbox"/>	<u>5619632</u>	April 1997	Lamping et al.	395/141
<input type="checkbox"/>	<u>5650994</u>	July 1997	Daley	N/A
<input type="checkbox"/>	<u>5666519</u>	September 1997	Hayden	N/A
<input type="checkbox"/>	<u>5675723</u>	October 1997	Ekrot et al.	N/A
<input type="checkbox"/>	<u>5675796</u>	October 1997	Hodges et al.	N/A
<input type="checkbox"/>	<u>5774668</u>	June 1998	Choquire et al.	N/A

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Heylighen, F.; "World-Wide Web: a distributed paradigm for global networking"; Proceeding. SHARE Europe Spring Conference pp. 355-368, Apr. 18, 1994.
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 So . . . Just What Is This First Class Thing Anyway?, <http://orion.edmonds.wednet.edu/ESD/FC/AboutFC.html>, down-loaded on Oct. 10, 1995.

ART-UNIT: 276

PRIMARY-EXAMINER: Rinehart; Mark H.

ATTY-AGENT-FIRM: Leydig, Voit & Mayer, Ltd

ABSTRACT:

The on-line network access system of the present invention operates as an extension of a computer's operating system to provide a graphical interface which displays the offerings

available in the on-line network. The organization of the offerings are displayed in a manner which is visually similar to the way the operating system displays the organization of the computer's local file system. Using multiple navigators, the system displays different user interfaces which correspond to different offerings on the on-line network. The system further provides a content map which illustrates the location of a user in the on-line network. In addition, the system creates "shortcuts" which allow users of the on-line network to reference particular locations in the on-line network. A unique shortcut data structure allows the storage of the shortcuts in the user's computer or the transfer of the shortcuts to others.

35 Claims, 26 Drawing figures

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L12: Entry 21 of 25

File: USPT

Aug 6, 1996

US-PAT-NO: 5544360

DOCUMENT-IDENTIFIER: US 5544360 A

TITLE: Method for accessing computer files and data, using linked categories assigned to each data file record on entry of the data file record

DATE-ISSUED: August 6, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lewak; Jerzy	Del Mar	CA	N/A	N/A
Grzechnik; Slawek	La Mesa	CA	N/A	N/A
Matousek; Jon	San Diego	CA	N/A	N/A

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Paragon Concepts, Inc.	Solana Beach	CA	N/A	N/A	02

APPL-NO: 8/ 384379

DATE FILED: February 3, 1995

PARENT-CASE:

This is a continuation of application Ser. No. 07/980,620 filed on Nov. 23, 1992, now abandoned.

INT-CL: [6] G06F 17/30

US-CL-ISSUED: 395/600; 364/253, 364/253.3, 364/282.1, 364/282.3, 364/283.1, 364/283.2, 364/283.3, 364/286.4, 364/286.5

US-CL-CURRENT: 707/1

FIELD-OF-SEARCH: 364/282.1, 364/282.3, 364/283.1, 364/283.2, 364/283.3, 364/286.4, 364/286.5

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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<input type="checkbox"/>	<u>5047918</u>	September 1991	Schwartz et al.	364/200
<input type="checkbox"/>	<u>5115504</u>	May 1992	Belove et al.	395/600
<input type="checkbox"/>	<u>5162992</u>	November 1992	Williams	364/419
<input type="checkbox"/>	<u>5201047</u>	April 1993	Maki et al.	395/600
<input type="checkbox"/>	<u>5201048</u>	April 1993	Coulter et al.	395/600
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<input type="checkbox"/>	<u>5206949</u>	April 1993	Cochran et al.	395/600
<input type="checkbox"/>	<u>5276867</u>	January 1994	Kenley et al.	395/600

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Van Kir., "Lotus, Traveling Software Tackle DOS File Management Problems", Apr. 1989, V2R4 p. 35(2) PC-Computing.
PC Tools DOS & Shell/File Manager, 1991, pp. 33-35, (Version 7 For DOS) Central Point Software Inc.
Central Point Software Inc. PC Tools Data Recovery And Systems Utilities, 1991, pp. 95-97 (Ver. 7 For DOS).
Thought Pattern Handbook, By Bananafish Software, Inc., 1991 San Francisco, CA.

ART-UNIT: 237

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Choules; Jack M.

ATTY-AGENT-FIRM: Fish & Richardson P.C.

ABSTRACT:

A computer filing system for accessing files and data according to user-designated criteria. The system allows the user to define a virtually unlimited number of hybrid folders by describing, using terms of their own selection, the file contents of those files which are to belong to particular hybrid folders. Such hybrid folders can be implemented on top of, and used in addition to, the normal hierarchical structured directory, or they may replace such normal structures entirely. The inventive computer file control system could therefore be used as the basis of a new computer operating system. In the process of search and retrieval, the invention ensures in two ways that the user defines a filter which will always find at least one file. The user is not required to type the key words to search but instead chooses the words from pick lists, making mistyping impossible. As the user builds the search filter definition, categories which would find no data are automatically excluded as pick list possibilities.

21 Claims, 5 Drawing figures